

Serial #: 10/047,251

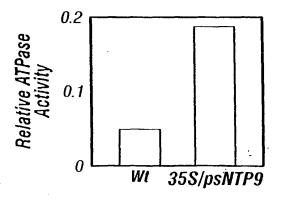


FIG. 1B

FIG. 1C

Inventor: J. Brian Windsor, et al.

Title: GENETIC AND EPIGENETIC MANIPULATION OF ALL AND TRANSPORTERS AND ECTO-PHOSPHATASES
FOR THE CONFERENCE OF DRUG RESISTANCE AND
FOR THE LOSS OF DRUG RESISTANCE IN

THE LOSS OF DRUG RESISTANCE IN
THE LOSS OF DRUG RESISTANCE IN
THE LOSS OF DRUG RESISTANCE IN
THE LOSS OF DRUG RESISTANCE IN
THE LOSS OF DRUG RESISTANCE IN BIOLOGICAL SYSTEMS AND METHODS FOR THE DETECTION OF ECTO-PHOSPHATASE INHIBITORS

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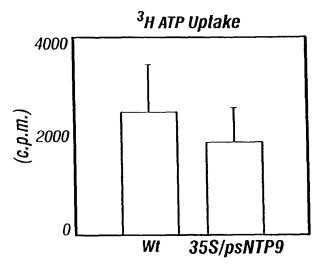


FIG. 2A

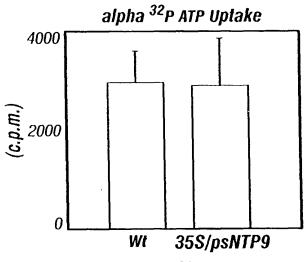


FIG. 2B

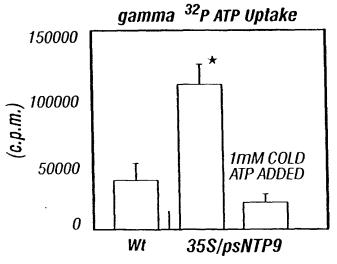


FIG. 2C

Title: GENETIC AND EPIGENETIC MANIPULATION OF THE FORTH AND ECTO-PHOSPHATASES FOR THE CONFERENCE OF DRUG RESISTANCE AND FOR THE LOSS OF DRUG RESISTANCE IN BIOLOGICAL SYSTEMS AND METHODS FOR THE DETECTION OF ECTO-PHOSPHATASE INHIBITORS Serial #: 10/047,251

Phosphatatse knocked out Wild Type Not expressing atpgp FIG. 3A expressing atpgp FIG. 3B

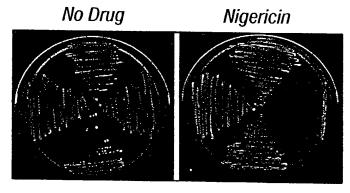


FIG. 3C

FIG. 3D

Title: GENETIC AND EPIGENETIC MANIPULATION OF THE LOSS OF DRUG RESISTANCE AND FOR THE LOSS OF DRUG RESISTANCE IN BIOLOGICAL SYSTEMS AND METHODS FOR THE DETECTION OF ECTO-PHOSPHATASE INHIBITORS

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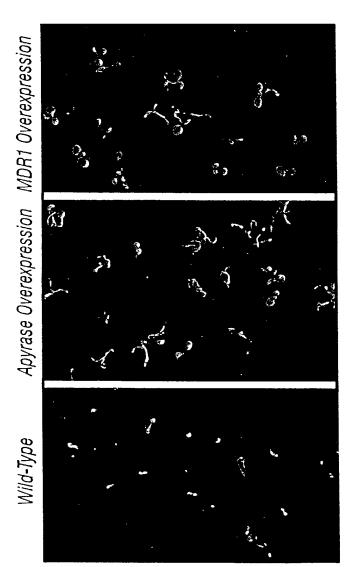
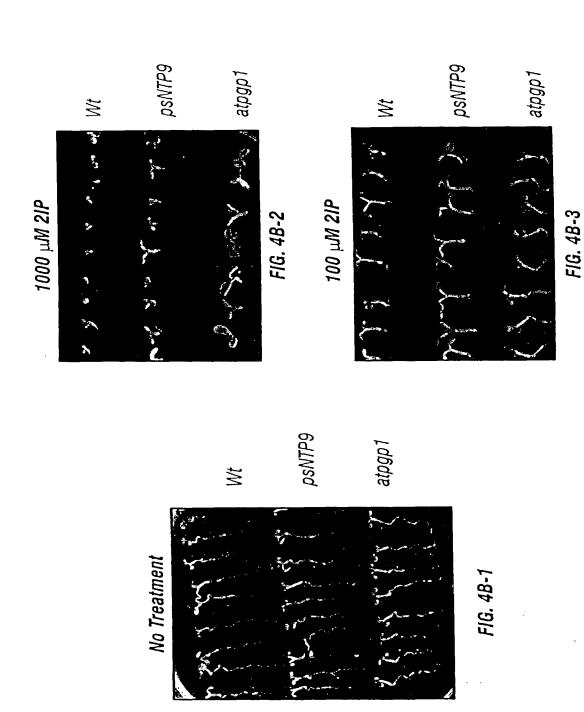
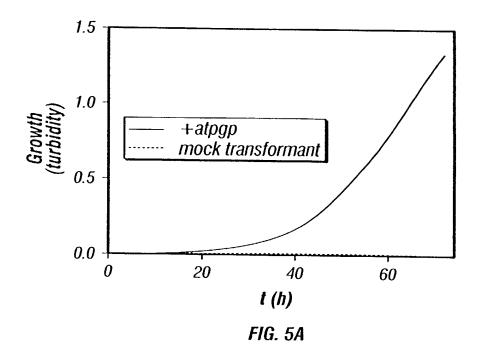


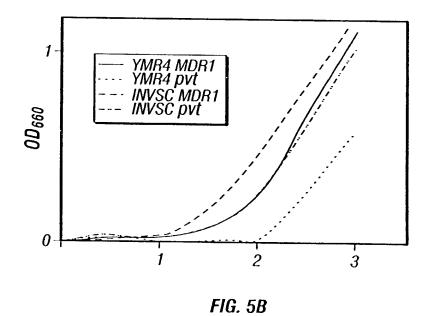
FIG. 4A

Title: GENETIC AND EPIGENETIC MANIPULATION OF THE PROPERTY OF THE CONFERENCE AND ECTO-PHOSPHATASES FOR THE CONFERENCE OF DRUG RESISTANCE AND FOR THE LOSS OF DRUG RESISTANCE IN BIOLOGICAL SYSTEMS AND METHODS FOR THE DETECTION OF ECTO-PHOSPHATASE INHIBITORS Serial #: 10/047,251



Title: GENETIC AND EPIGENETIC MANIPULATION OF THE ABC TRANSPORTERS AND ECTO-PHOSPHATASES
FOR THE CONFERENCE OF DRUG RESISTANCE AND
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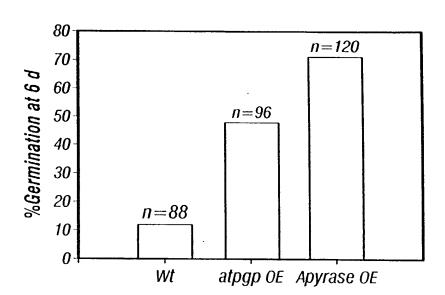
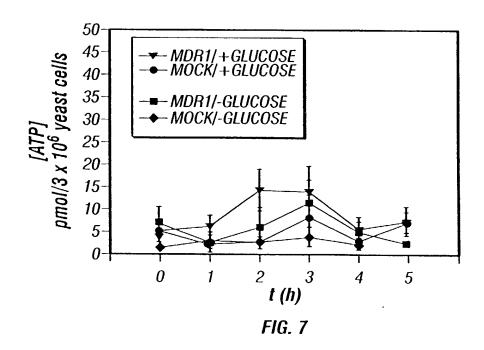
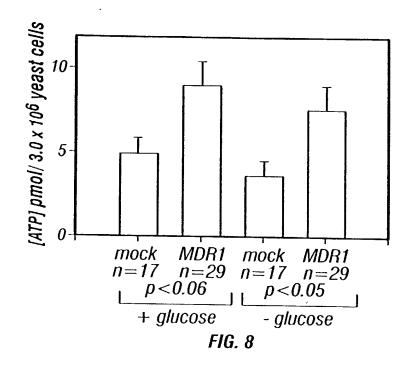


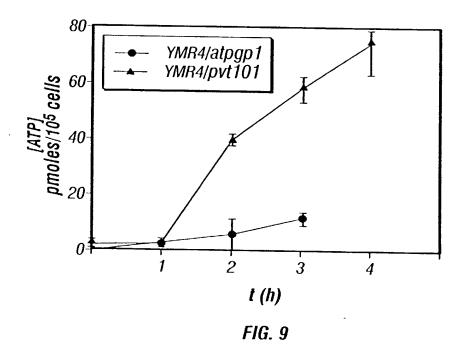
FIG. 6

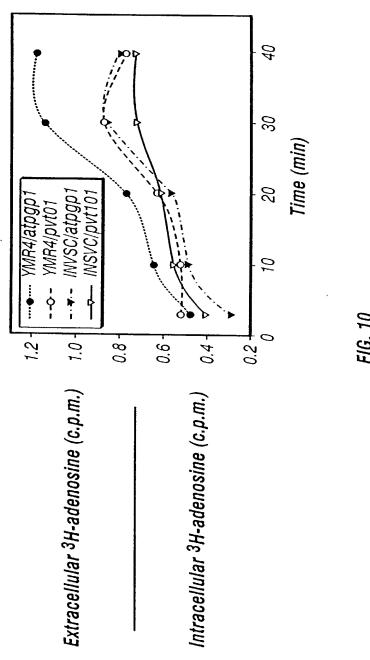


Inventor: J. Brian Windsor, et al.

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FOR THE CONFERENCE OF DRUG RESISTANCE AND
FOR THE LOSS OF DRUG RESISTANCE IN
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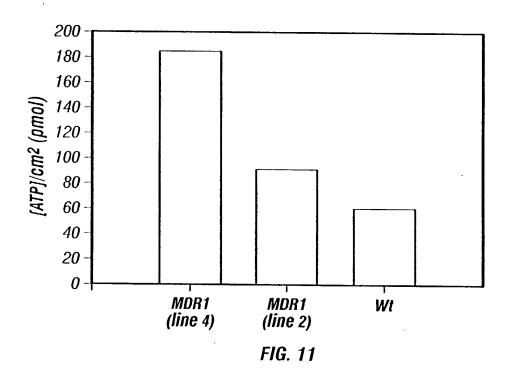


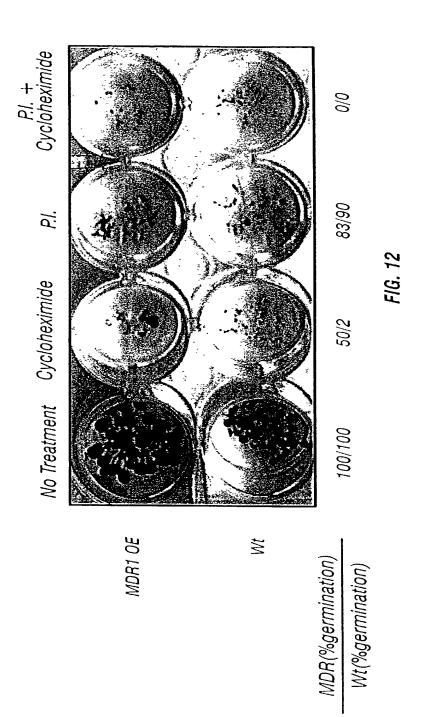


Inventor: J. Brian Windsor, et al.

Title: GENETIC AND EPIGENETIC MANIPULATION OF A TOP TO THE CONFERENCE OF DRUG RESISTANCE AND FOR THE CONFERENCE OF DRUG RESISTANCE AND FOR THE LOSS OF DRUG RESISTANCE IN BIOLOGICAL SYSTEMS AND METHODS FOR THE DETECTION OF ECTO-PHOSPHATASE INHIBITORS

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## **Drug selected Cells Cells cultured only on Media**

<u>Cycloheximide</u>		
ym4mdr1	0.754	0.014
ymr4 pvt	0.017	0.016
inv scmdr1	0.683	0.013
inv sc pvt	0.985	0.005
ATP+cyclohexim	<u>ide</u>	
ym4mdr1	0.001	0.001
ymr4 pvt	0.002	0.001
inv scmdr1	0.001	0.002
inv sc pvt	0.001	0.002
<u>ATP</u>		
ym4mdr1	0.016	0.585
ymr4 pvt	0.001	0.697
inv scmdr1	0.271	1.267
inv sc pvt	0.052	0.213
<u>Media alone</u>		
ym4mdr1	1.477	1.478
ymr4 pvt	1.437	1.484
inv scmdr1	1.498	1.483
inv sc pvt	1.488	1.435

Title: GENETIC AND EPIGENETIC MANIPULATION OF THE LOSS OF DRUG RESISTANCE AND FOR THE LOSS OF DRUG RESISTANCE IN BIOLOGICAL SYSTEMS AND METHODS FOR THE DETECTION OF ECTO-PHOSPHATASE INHIBITORS

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<u>Media alon</u>	<u>Media alone</u> <u>Cycloheximide</u>		<u>nide</u>	
ymr mdr1	1.376	ymr mdr1	0.937	
ymr4 pvt	1.429	ymr4 pvt	0.001	
PQ <sub>4</sub> alone		PQ <sub>4</sub> and Cycloheximide		
ymr mdr1	1.351	ymr mdr1	0.541	
ymr4 pvt	1.341	ymr4 pvt	0.001	
Adenosine alone		Adenosine and Cycloheximide		
ymr mdr1	1.319	ymr mdr1	0.632	
ymr4 pvt	1.354	ymr4 pvt	0.002	
Adenoside and PQ <sub>4</sub> alone		Adenoside	and PQ <sub>4</sub> and Cycloheximide	
ymr mdr1	0.899	ymr mdr1	0.389	
		•		

FIG. 14